



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Criterion II – Teaching Learning and Evaluation

Key Indicator – 2.6: Student Performance and Learning Outcomes

2.6.1: The institution has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution

COs, PSOs, POs, Mapping of COs with PSOs and POs, Attainment of POs,
Sample CO Attainments and Sample Course Attainment Sheets for

M.Sc. Chemistry

Summer 2023

| Sr. No. | Particulars | Page No. |
|---------|--|----------|
| 1 | Master of Science (M.Sc.) POs | 2 |
| 2 | PSOs for M. Sc. Chemistry | 3 |
| 3 | Course Outcomes for M. Sc. Chemistry | 5 |
| 4 | Mapping of COs with PSOs and POs | 14 |
| 5 | Attainment of POs for M. Sc. Chemistry | 19 |
| 6 | Sample CO Attainments | 20 |
| 7 | Sample Course Attainment Sheets | 24 |



Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Master of Science (M.Sc.)

Programme Outcomes

After the completion of the M.Sc. programme, a student will have obtained:

| | |
|------|---|
| PO1. | Disciplinary Masters Knowledge Comprehensive in-depth relevant scientific knowledge and its execution in the specific area of study. |
| PO2. | Scientific Outlook The qualities such as observation, precision, analysis, logical thinking, clarity of thought and expression and systematic approach to work on research projects and explain scientific phenomena. |
| PO3. | Problem Solving Skills Analytical skills to solve problems, evaluate situations and act responsibly to communicate, cooperate and lead the team. |
| PO4. | Interpersonal Skills and Ethics Ability to integrate professional ethics and scientific knowledge in life, organization, society and individual to fulfill the needs of mankind in both moral and material aspects. |
| PO 5 | Self-Directed Life-long Learning Ability to prepare for NET, SET, GATE and other national and international competitive examinations. |
| PO6. | Professional Competence Ability to apply the knowledge independently for continuous personal and professional development and identify business opportunities and initiate action to achieve it. |
| PO7. | Research and Related Skills Technical know-how about identification of local issues and develop lab to land solutions for the benefit of society at large. |



Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Programme Specific Outcomes for M.Sc. Chemistry

After the completion of the M.Sc. Chemistry programme a student will have obtained:

| | |
|-------|---|
| PS01. | Academic Competence Possess in-depth knowledge in Inorganic Reaction Mechanism, Spectral properties of metal complexes, Magnetic Properties of metal complexes, Reaction Mechanism, Aromaticity of Benzenoid and Non- Benzenoid Compounds, Substitution Reactions, Addition Reactions, Quantum Chemistry, Statistical Thermodynamics and Phase Rule, Classical thermodynamics, Electrochemistry, Basic Concepts of Analytical Chemistry and Chemometrics, Errors & Statistical treatment of Analytical Data, Separation Techniques, Forensic Analysis, Basic Concepts and Classification of Polymers, Mechanisms & Techniques of Polymerizations, Molecular Weights and Nomenclature of Polymers, Bio inorganic Chemistry, Inorganic Spectroscopy Chemistry of Main group elements, Organometallics & Solid state Chemistry, Free radical reactions, Elimination Reaction, Pericyclic Reactions, Photochemistry, Chemical Kinetics and reaction dynamics, Surface Chemistry, Micelles & Macromolecules, Molecular Symmetry and Group Theory, Computational Chemistry, Electroanalytical Techniques, Diffraction Methods, Thermal Methods, Spectroscopic techniques, Advanced spectroscopic methods, Organic synthesis, Chemistry of natural products, Medicinal chemistry, Stereochemistry, Heterocyclic compound, Applied organic chemistry. |
| PS02. | Scientific Outlook A thorough knowledge about basic theoretical concepts and experimental aspects of Chemistry to identify, formulate, investigate and analyze the scientific problems. Design, create products and solutions to real life problems innovatively. |
| PS03. | Personal and Professional Competence Competency in the field of chemistry in addition to proficiency in related disciplines, develop a systematic and coherent proficiency in the key concepts in physical chemistry, organic chemistry, inorganic chemistry, analytical chemistry and the related allied chemistry subjects. Use an evidence-based comparative chemistry approach to articulate chemical synthesis and investigation, characterize materials, and understand the |



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

| | |
|-------|---|
| | fundamental principles of the tools and equipment that are used to demonstrate the experimental procedures and methods relevant to the field of chemistry. |
| PSO4. | Entrepreneurial Competence: Works skills to contribute effectively in the laboratory, field, and professional environments. An employment opportunity that pays well in industry or the government, get a job in teaching or administering a school system. Ability to learn lifelong learning skills which are important to provide better opportunities and improve Quality of life. Capable to establish independent startup/innovation center etc. |
| PSO5. | Research Competence Proficiency in their specialized area of chemistry and successfully complete an advanced research project, acquire the basic tools needed to carry out independent chemical research, communicate scientific results in writing and in oral presentation and develop an inquisitive characteristic among the students through appropriate questions, planning and reporting experimental investigation. |



Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Course Outcomes for M.Sc. Chemistry

After the completion of the respective course a student will be able to:

Programme M.Sc. First Year

Sub: Chemistry

Semester I

Course Title - Inorganic Chemistry-I

Course Code - P-INC-142

Course Outcomes

- CO1 Understand inorganic reaction mechanisms, inner and outer sphere electron transfer reactions.
- CO2 Apply trans effect rule in preparation of square planar complex
- CO3 Calculate different term symbols, microstates of metal ions.
- CO4 Gain the concepts of magnetic nature of different substance.

Course Title - Organic Chemistry-II

Course Code - P-ORC-143

Course Outcomes

- CO1 Understand concept of organic chemistry, different reaction mechanisms.
- CO2 Identify between aromatic, non aromatic compounds well.
- CO3 Write the mechanisms for Aliphatic, Nucleophilic and Aromatic substitutions reactions.
- CO4 Write the mechanism of Nucleophilic, Electrophilic and free radical addition reactions .

Course Title - Physical Chemistry-III

Course Code - P-PHC-144

Course Outcomes

- CO1 Understand quantum Chemistry ,Postulates of Quantum mechanics, the Variation Theorem ,Perturbation Theory
- CO2 Know Laws of Thermodynamics ,partial molar properties , Raoult's Law.
- CO3 Understand partition Function ,Recapitulation of Phase rule
- CO4 Learn the concepts involved in Electrochemistry.

Course Title - Physical Methods in Chemistry-IV

Course Code - P-PMC-145

Course Outcomes

- CO1 Analyse data statistically and understood the basic terms in Analytical chemistry.
- CO2 Become familiar with principles and techniques of Chromatography.



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

C03 Gain basic knowledge regarding forensic science.

Practical
Inorganic Chemistry
Laboratory Course – I
Course Code: P-LAC-146

- C01 Separate and estimate the binary and ternary mixture solutions.
C02 Determine amount of Cations by volumetric and gravimetric methods of Analysis .

Organic Chemistry
Laboratory Course –II
Course Code: P-LAC-147

- C01 Separate the given organic binary mixture by physical method.
C02 Synthesize organic compounds by single stage preparation method.
C03 Carry out various techniques for the purification and analysis of given organic compounds

Physical Chemistry
Laboratory Course III
Course Code: P-LAC-148

- C01 Perform experiments using conductometer, PH-meter, refractometer.
C02 Determine solubility, ionic strength, rate constant by non-instrumental methods.

Physical methods in Chemistry
Laboratory Course IV
Course Code:P-LAC-149

- C01 Carry analysis with some electrochemical, optical, water analysis and kinetic study experiments.



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Programme M.Sc. First Year

Sub: Chemistry

Semester II

Course Title - Inorganic Chemistry-II

Course Code - P-INC-241

Course Outcomes

- CO1 Know the role of natural metalloporphyrins like haemoglobin, myoglobin and chlorophyll.
- CO2 Get familiarize with inorganic Raman and ESR Spectroscopy and their difference.
- CO3 Know the concept of Inorganic Catalysis, their types and Applications .
- CO4 Understand the structure and bonding in Organometallics & concept of Solid state chemistry

Course Title - Organic Chemistry- VI

Course Code - P-ORC-242

Course Outcomes

- CO1 Become familiar with different types of free radical reactions and their applications.
- CO2 Give the mechanism of different E^2 , E^1 and E^1CB reactions and understand their applications.
- CO3 Know the electrocyclic reactions, cycloaddition reactions, Sigmatropic rearrangements etc.
- CO4 Become familiar with photochemical theory, photo reduction reactions, Photo – fries reactions etc.

Physical Chemistry- VII

Course Code:P-PHC-243

Course Outcomes

- CO1 Understand the concept of Chemical Kinetics and reaction dynamics like ionic reactions, steady state approximation etc.
- CO2 Know about surface tension, Gibbs adsorption isotherm, BET adsorption isotherm.
- CO3 Understand the concept of micelles, CMC, macromolecules and difference between polymers and macromolecules.
- CO4 Know thermodynamic and kinetic requirements of a reactions.



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Physical Methods in Chemistry-VIII

Course Code - P-PMC-244

Course Outcomes

- CO1 Become familiar with principles of polarography & voltametry, atomic absorption spectroscopy, flame photometry etc.
- CO2 Understand thermogravimetric analysis, X-ray diffraction (XRD) methods.

Practical

Inorganic Chemistry

Laboratory Course-V

P-LAC-245

Course Outcomes

- CO1 Identify three acidic and basic radicals in given ternary mixture by qualitative analysis .
- CO2 Prepare different inorganic complexes.

Organic Chemistry

Laboratory Course -VI

Course Code: P-LAC-246

Course Outcomes

- CO1 Perform Steam distillation and column chromatography .
- CO2 Separate ,purify and identify binary mixture (one solid & one liquid) by Chemical method.
- CO3 Prepare Organic compound by double stage method .

Physical Chemistry

Laboratory Course VII

Course Code:P-LAC-247

Course Outcomes

- CO1 Determine equilibrium quotient, concentration of ion by colorimeter.
- CO2 Determine PK_1 , PK_2 values, oxidation state of metal ion by potentiometer.
- CO3 Find out molecular weight, surface tension, order of reaction, by non instrumental methods



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Analytical Chemistry

Physical methods in Chemistry

Laboratory Course VIII

Course Code:P-LAC-248

- CO1 Handle electroanalytical and spectroscopic techniques.
- CO2 Separate mixture components by chromatographic techniques.
- CO3 Analyse the chemical constituents with heterogeneous equilibria .

Program M.Sc. Second Year

Sub: Chemistry

Semester III

Advanced Spectroscopic Methods

Course Code - P-ASM-343

Course Outcomes

- CO1 Study UV, IR, ¹H-NMR and Mass-spectrometry methods and to detect the nature as well as structure of organic compounds.
- CO2 Gain knowledge of spectroscopic techniques , explore new areas of research in both chemistry and applied fields of science and technology
- CO3 Calculate λ_{max} of Organic compound.

Organic Transformation-X

Course Code: P- OTF-344

Sub: Chemistry

Semester -III

Course Outcomes

- CO1 Understand the general mechanistic consideration, nature of migration, migratory aptitude , mechanism and stereochemistry
- CO2 Do synthetic applications of various name reactions like of Stork Enamine, Chichibabin, and Diels-Alder reactions etc.
- CO3 Get idea about Oxidative cleavage of 1,2-diols, oxidation of allylic and benzylic C-H bonds.
- CO4 Know about different Catalytic hydrogenation, Wolff-Kishner and diimide reductions.

Chemistry of Natural Products-XI

Course Code: P- CNP-345

Sub: Chemistry

Semester -III

Course Outcomes

- CO1 Learn general methods of structure determination, isoprene rule and synthesis



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

- of Citral, Menthol, Camphor, Phytol etc.
- C02 Understand nomenclature, occurrence, isolation, classification and synthesis of Ephedrine, atropine, Quinine and Morphine.
- C03 Know isolation, structure determination and synthesis of cholesterol, Androsterone.
- C04 Learn nomenclature and general methods of structure determination, and synthesis of cyanin, Hirsutidin chloride, Flavones and Flavonols

Medicinal Chemistry-XII
Course Code: P-MDC-346 (A)
Semester -III

Course Outcomes

- C01 Understand about Medicinal chemistry and its terminology like pharmacodynamic agents, pharmacophore, pharmacodynamics, etc.
- C02 Know about Drug designing methods, SAR and study of Pro and Soft drugs.
- C03 Understand about Synthesis, properties and uses of analgesic, antipyretic, antacids, antimalarial etc. drugs
- C04 Learn about different antibiotics, their synthesis and mode of action.

OR

Elective Paper
Polymer Chemistry- XII
Course Code: P-POC-346-(B)

Course Outcomes

- C01 Know the concepts of Petroleum based raw materials, types and source of crude oils acetylene and derivatives, propylene and derivatives
- C02 Distinguish types of polymers linear, branched, hyper branched, star branched dendrimers.
- C03 Determine the rate of polymerization. Initiation by free radical, redox, photochemical, ionizing radiation and thermal methods.

Laboratory Course-IX
Mixture Analysis
Course Code: P-LAC-347
Course Outcomes

- C01 Separate ternary mixture and can analyze each component of the mixture.
- C02 Know about chromatographic Separation (TLC) techniques.



Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Laboratory Course-X Synthesis of Organic Molecules Course Code: : P-LAC-348

Course Outcomes

- C01 Obtain the skill in synthesis of different compounds by multi component reactions.
- C02 Use of ultrasound in synthesis of organic compounds.

Laboratory Course-XI Physico-Organic Estimations Course Code: : P-LAC-349

Course Outcomes

- C01 Perform the Physico organic estimations of drugs by titrimetric methods
- C02 Get the skill in estimation of drugs by instrumental methods

M.Sc. II Year Semester-IV Advanced Synthetic method-XIII Course Code: P-ASM-439

Course Outcomes

- C01 Understand how to design a new route for synthesis of various reactions.
- C02 Use Retro- synthetic methods in synthesis of aromatic 5 and 6 membered heterocyclic compounds
- C03 Familiarize with protection and deprotection of functional groups.
- C04 Know the role of LDA, DCC, DDQ, trimethylsilyl iodide etc. reagents in organic synthesis.

M.Sc. II Year Semester-IV Stereochemistry -XIV Course Code: P-STE-440

Course Outcomes

- C01 Understand the basic concept of stereochemistry like chirality, stereo chemical principles, enantiometric and diastereomeric relationship, D & L, R & S and E & Z Nomenclature.
- C02 Familiarize with newer methods of stereo selective synthesis like Regioselective and Chemoselective reactions, Stereospecific and stereoselective reactions etc.
- C03 Know about conformation analysis of cyclohexane, monosubstituted and disubstituted cyclohexanes and stereochemistry of ring systems.
- C04 Learn about stereochemistry of fused and bridged rings, O.R.D. and C.D curves.



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

M.Sc. II Year
Semester-IV
Advanced Heterocyclic Chemistry- XV
Course Code: : P-AHC-441

Course Outcomes

- CO1 Understand the role of Heterocycles, their spectral characteristics , reactivity.
- CO2 Know how to synthesize Azirines, Oxiranes, Thiiranes, Diazirenes etc.
- CO3 Understand the synthesis and reactivity of Indole, Quinoline, Isoquinoline, Benzothiaphene, etc.

M.Sc. II Year
Semester-IV
Applied Organic chemistry – XVI
Course Code: P-AOC-442

Course Outcomes

- CO1 Learn about supra molecular chemistry and structures of supra molecules like nucleic acid, crown ether, cyclophanes, calixarenes
- CO2 Know in detail about structural features of carbohydrate & vitamins
- CO3 Familiarize with role of green reagents in organic synthesis.
- CO4 Learn about green synthetic routes of reactions.

OR

Elective Chemistry Paper
Dyes and Intermediates-XVI
Course Code: P-DAI- 442 (B)

Course Outcomes

- CO1 Learn the concepts of Commercial processes for Azo dyes, reactive dyes, thermal sensitive dyes, dispenses dyes.
- CO2 Synthesis of Monoazo dyes, Bisazo dyes and Azoic dyes. Evaluation of dyes
- CO3 Study theory of fluorescence–Classification of FWA, Various methods of dyeing, Different classes of organic pigments and synthesis

M.Sc. IV Semester
Laboratory Course-XII
Mixture Analysis
Course Code: P-LAC-443

Course Outcomes

- CO1 Perform Qualitative analysis of three components (one solid & two Liquids) in ternary Mixture.
- CO2 Check the purity of compounds by TLC.



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

M. Sc. IV Semester

Laboratory Course-XIII

Physico-Organic Estimations

Course Code: P-LAC-444

Course Outcomes

- C01 Develop the skill in the isolation and purification of natural products like beta carotene, piperine and lycopene.
- C02 Perform assay of drugs.

M. Sc. IV Semester

Laboratory Course-XIV

Synthesis of Organic Molecules

Course Code: P-LAC-445

Course Outcomes

- C01 Synthesize different drugs like antibacterial, anticancer, anticonvulsant etc.
- C02 Use ultrasound techniques in the synthesis of heterocyclic compounds.

M. Sc. IV Semester

Laboratory Course-XV

Project

Course Code: P-LAC-446

Course Outcomes

- C01 Learn about literature survey, synthesis of different natural products and organic compounds.
- C02 Understand about different reaction Conditions and their synthetic methods.
- C03 Characterize synthesized organic compounds by different techniques.



Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Mapping of COs with PSOs and POs

Post Graduate Programme

Cognitive Level U-Understand, AP-Apply, AN-Analyze, E-Evaluate,
C-Create,

Knowledge Category CN-Conceptual, F-Factual

Programme: M.Sc.

Subject: Chemistry

| Course Code | Course Outcomes | Cognitive Level | Knowledge Category | Programme Specific Outcomes | Programme Outcomes |
|-------------|-----------------|-----------------|--------------------|-----------------------------|--------------------|
| P-INC-142 | C01 | U | CN | PS01 | P05 |
| | C02 | AP | CN | PS03 | P05 |
| | C03 | E | F | PS01 | P03 |
| | C04 | AP | F | PS01 | P05 |
| P-ORC-143 | C01 | U | CN | PS02 | P01 |
| | C02 | AP | F | PS03 | P05 |
| | C03 | AP | CN | PS03 | P05 |
| | C04 | AP | CN | PS03 | P05 |
| P-PHC-144 | C01 | AN | F | PS02 | P03 |
| | C02 | U | F | PS01 | P03 |
| | C03 | U | CN | PS01 | P01 |
| | C04 | U | F | PS03 | P01 |
| P-PMC-145 | C01 | AN | F | PS04 | P07 |
| | C02 | U | F | PS01 | P07 |
| | C03 | U | CN | PS03 | P02 |
| P-LAC- | C01 | AN | F | PS05 | P07 |



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

| | | | | | |
|-----------|-----|----|---|------|-----|
| 146 | CO2 | AN | F | PSO5 | PO7 |
| P-LAC-147 | CO1 | AN | F | PSO3 | PO7 |
| | CO2 | AP | F | PSO2 | PO7 |
| | CO3 | AN | F | PSO5 | PO2 |
| P-LAC-148 | CO1 | AP | F | PSO2 | PO2 |
| | CO2 | E | F | PSO3 | PO2 |
| P-LAC-149 | CO1 | AN | F | PSO2 | PO7 |

| Course Code | Course Outcomes | Cognitive Level | Knowledge Category | Programme Specific Outcomes | Programme Outcomes |
|-------------|-----------------|-----------------|--------------------|-----------------------------|--------------------|
| P-INC-241 | CO1 | U | F | PSO1 | PO5 |
| | CO2 | E | F | PSO1 | PO5 |
| | CO3 | AP | CN | PSO2 | PO1 |
| | CO4 | U | CN | PSO1 | PO3 |
| P-ORC-242 | CO1 | AP | CN | PSO3 | PO5 |
| | CO2 | AP | CN | PSO3 | PO5 |
| | CO3 | U | CN | PSO1 | PO5 |
| | CO4 | U | F | PSO2 | PO5 |
| P-PHC-243 | CO1 | U | F | PSO1 | PO5 |
| | CO2 | U | F | PSO1 | PO5 |
| | CO3 | U | CN | PSO3 | PO1 |
| | CO4 | U | F | PSO2 | PO5 |
| P-PMC-244 | CO1 | U | F | PSO2 | PO1 |
| | CO2 | U | F | PSO3 | PO2 |



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

| | | | | | |
|-----------|-----|----|----|------|-----|
| P-LAC-245 | CO1 | AN | F | PSO2 | PO6 |
| | CO2 | AP | F | PSO5 | PO7 |
| P-LAC-246 | CO1 | AP | CN | PSO4 | PO2 |
| | CO2 | AN | F | PSO2 | PO7 |
| | CO3 | AP | F | PSO2 | PO7 |
| P-LAC-247 | CO1 | AP | F | PSO3 | PO2 |
| | CO2 | AP | F | PSO3 | PO2 |
| | CO3 | AP | F | PSO2 | PO3 |
| P-LAC-248 | CO1 | AP | CN | PSO3 | PO2 |
| | CO2 | AN | F | PSO2 | PO7 |
| | CO3 | AN | CN | PSO2 | PO7 |

| Course Code | Course Outcomes | Cognitive Level | Knowledge Category | Programme Specific Outcomes | Programme Outcomes |
|-------------|-----------------|-----------------|--------------------|-----------------------------|--------------------|
| P-ASM-343 | CO1 | AP | F | PSO2 | PO2 |
| | CO2 | U | CN | PSO5 | PO2 |
| | CO3 | AP | F | PSO3 | PO3 |
| P-OTF-344 | CO1 | U | F | PSO3 | PO5 |
| | CO2 | AP | CN | PSO2 | PO5 |
| | CO3 | U | F | PSO3 | PO5 |
| | CO4 | U | F | PSO3 | PO5 |
| P-CNP-345 | CO1 | U | F | PSO3 | PO5 |
| | CO2 | U | CN | PSO3 | PO5 |
| | CO3 | U | CN | PSO1 | PO5 |
| | CO4 | U | CN | PSO2 | PO5 |



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

| | | | | | |
|---------------|-----|----|----|------|-----|
| P-MDC-346(A) | CO1 | U | F | PSO3 | PO2 |
| | CO2 | U | F | PSO5 | PO6 |
| | CO3 | U | CN | PSO2 | PO6 |
| | CO4 | U | F | PSO4 | PO3 |
| P-POC-346-(B) | CO1 | U | F | PSO3 | PO6 |
| | CO2 | AP | CN | PSO3 | PO1 |
| | CO3 | AP | CN | PSO1 | PO6 |
| P-LAC-347 | CO1 | AN | F | PSO2 | PO2 |
| | CO2 | U | CN | PSO5 | PO7 |
| P-LAC-348 | CO1 | U | CN | PSO5 | PO7 |
| | CO2 | AP | CN | PSO5 | PO2 |
| P-LAC-349 | CO1 | AN | CN | PSO2 | PO2 |
| | CO2 | AN | CN | PSO3 | PO2 |

| Course Code | Course Outcomes | Cognitive Level | Knowledge Category | Programme Specific Outcomes | Programme Outcomes |
|-------------|-----------------|-----------------|--------------------|-----------------------------|--------------------|
| P-ASM-439 | CO1 | U | CN | PSO5 | PO7 |
| | CO2 | AP | F | PSO2 | PO7 |
| | CO3 | U | CN | PSO3 | PO5 |
| | CO4 | U | CN | PSO1 | PO5 |
| P-STE-440 | CO1 | U | F | PSO3 | PO5 |
| | CO2 | AP | CN | PSO3 | PO5 |
| | CO3 | U | F | PSO1 | PO5 |
| | CO4 | U | CN | PSO3 | PO5 |
| P-AHC- | CO1 | U | F | PSO3 | PO1 |



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

| | | | | | |
|--------------|-----|----|----|------|-----|
| 441 | CO2 | AP | CN | PSO2 | PO2 |
| | CO3 | AP | CN | PSO2 | PO2 |
| P-AOC-442(A) | CO1 | U | F | PSO3 | PO1 |
| | CO2 | U | CN | PSO1 | PO1 |
| | CO3 | U | CN | PSO5 | PO7 |
| | CO4 | U | CN | PSO5 | PO2 |
| P-DAI-442(B) | CO1 | U | F | PSO4 | PO6 |
| | CO2 | AP | CN | PSO5 | PO2 |
| | CO3 | E | CN | PSO3 | PO1 |
| P-LAC-443 | CO1 | AN | F | PSO2 | PO2 |
| | CO2 | E | F | PSO5 | PO2 |
| P-LAC-444 | CO1 | AN | CN | PSO2 | PO7 |
| | CO2 | AN | CN | PSO2 | PO2 |
| P-LAC-445 | CO1 | AN | CN | PSO5 | PO7 |
| | CO2 | AP | CN | PSO5 | PO2 |
| P-LAC-446 | CO1 | E | CN | PSO5 | PO7 |
| | CO2 | U | CN | PSO5 | PO7 |
| | CO3 | AN | CN | PSO5 | PO7 |



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

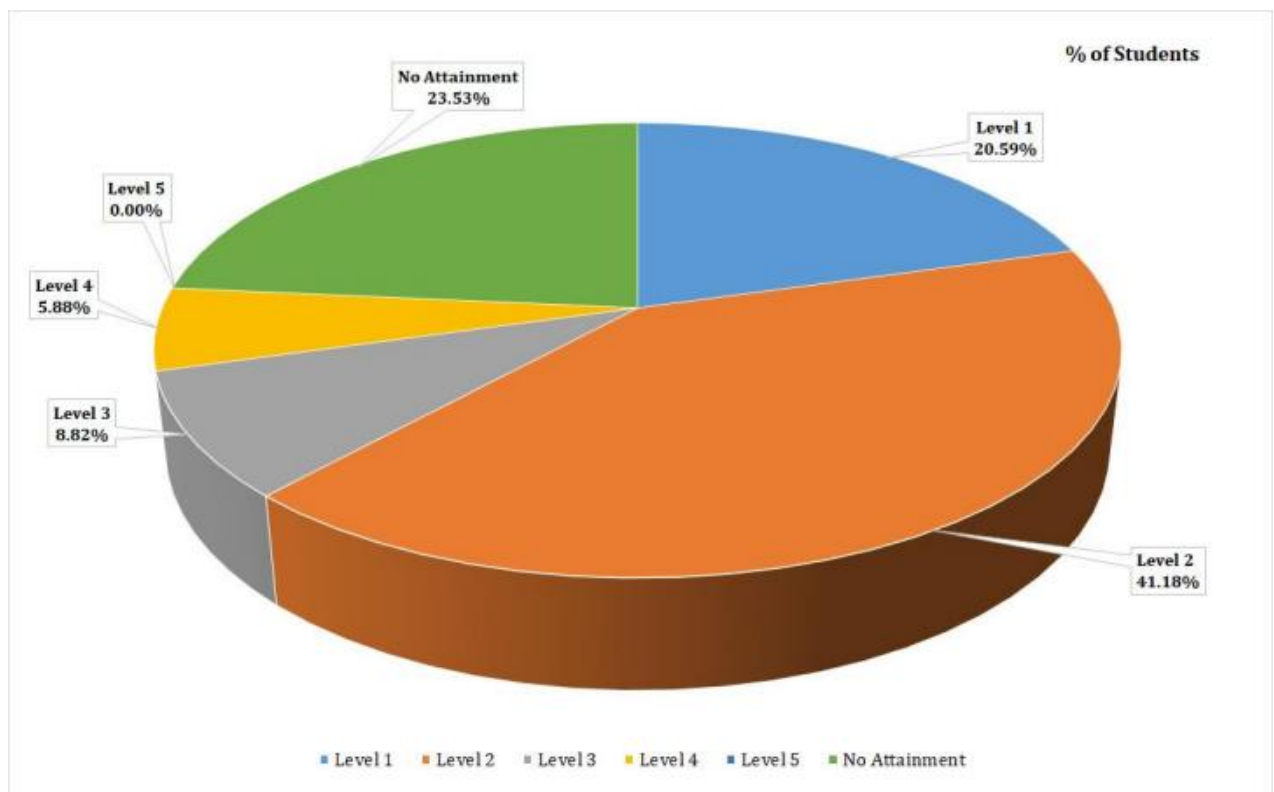
(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Attainment of POs

The level of attainment of our students for M.Sc. Chemistry programme computed as average of 2 years for PG in terms of CGPA score and grade is given in the following table:

| CGPA | Grade | Final Result | % of students | Level of Attainment |
|--------------|-------|------------------------------|---------------|---------------------|
| 7.50 - 10.00 | O | First Class with Distinction | 20.59 | Level 1 |
| 6.00 - 7.49 | A | First Class | 41.18 | Level 2 |
| 5.50 – 5.99 | B+ | Higher Second Class | 8.82 | Level 3 |
| 5.00 – 5.49 | B | Second Class | 5.88 | Level 4 |
| 4.00 – 4.99 | C | Pass | 0.00 | Level 5 |
| Below 4.00 | F | Reappear | 23.53 | No Attainment |
| Total | | | 100.00 | |





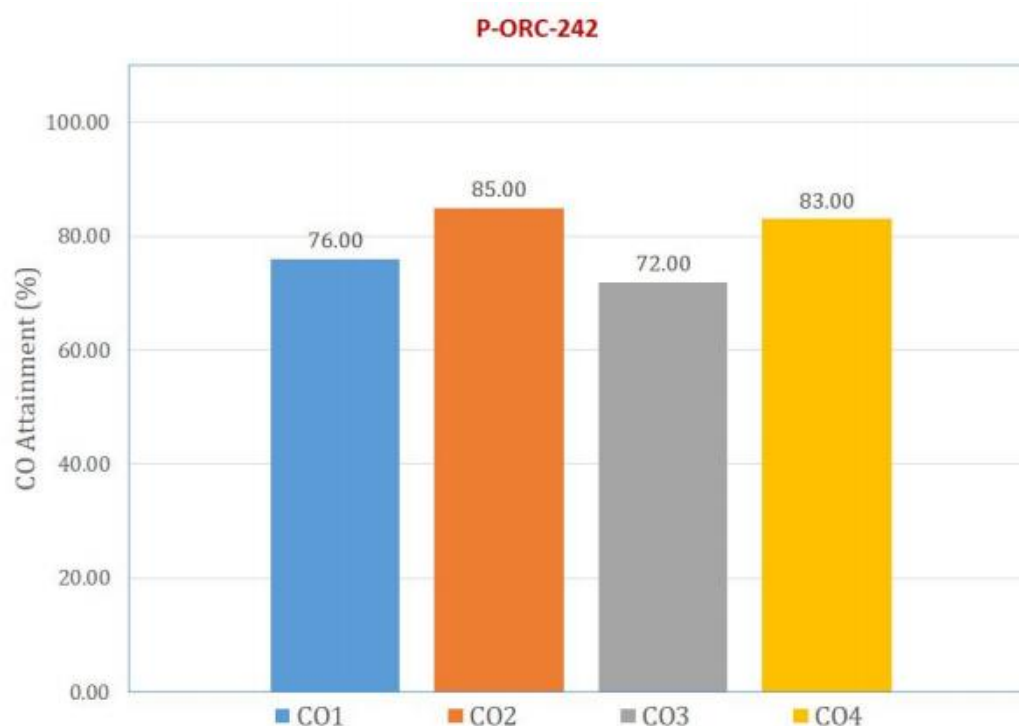
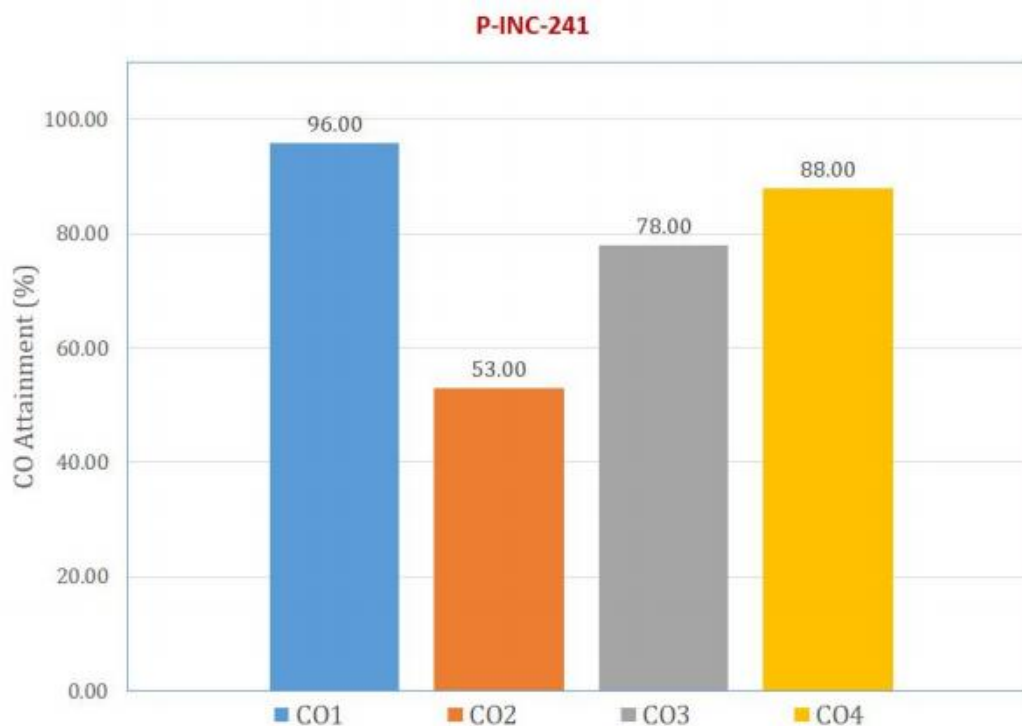
Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015

Sample CO Attainments:



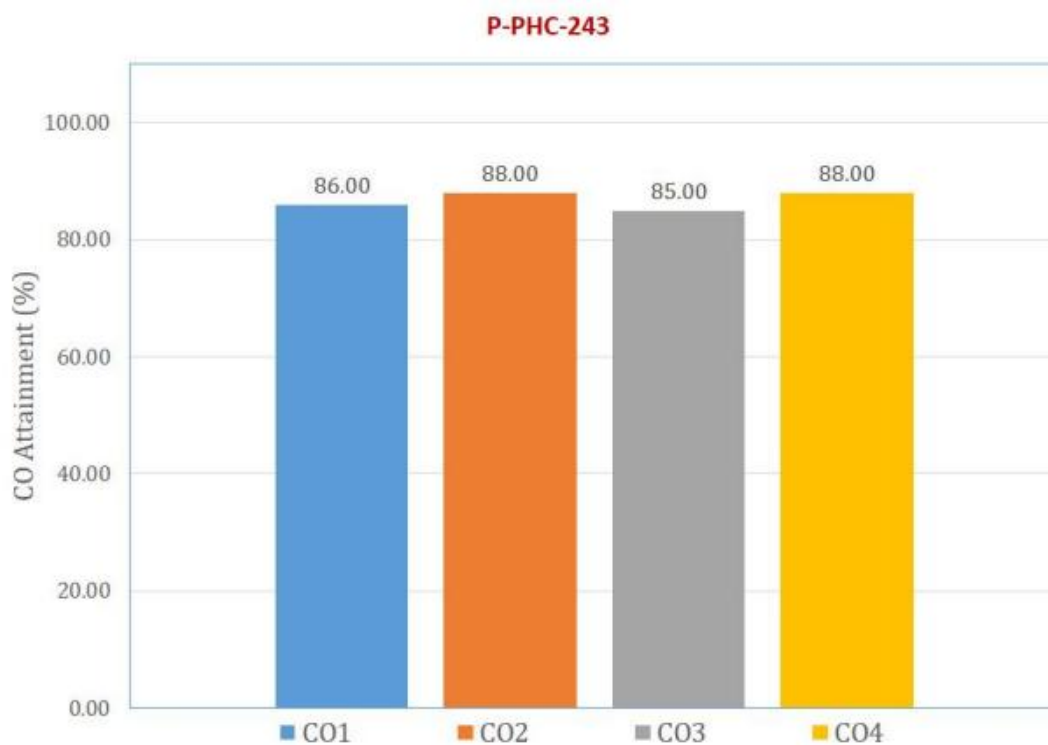


Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015



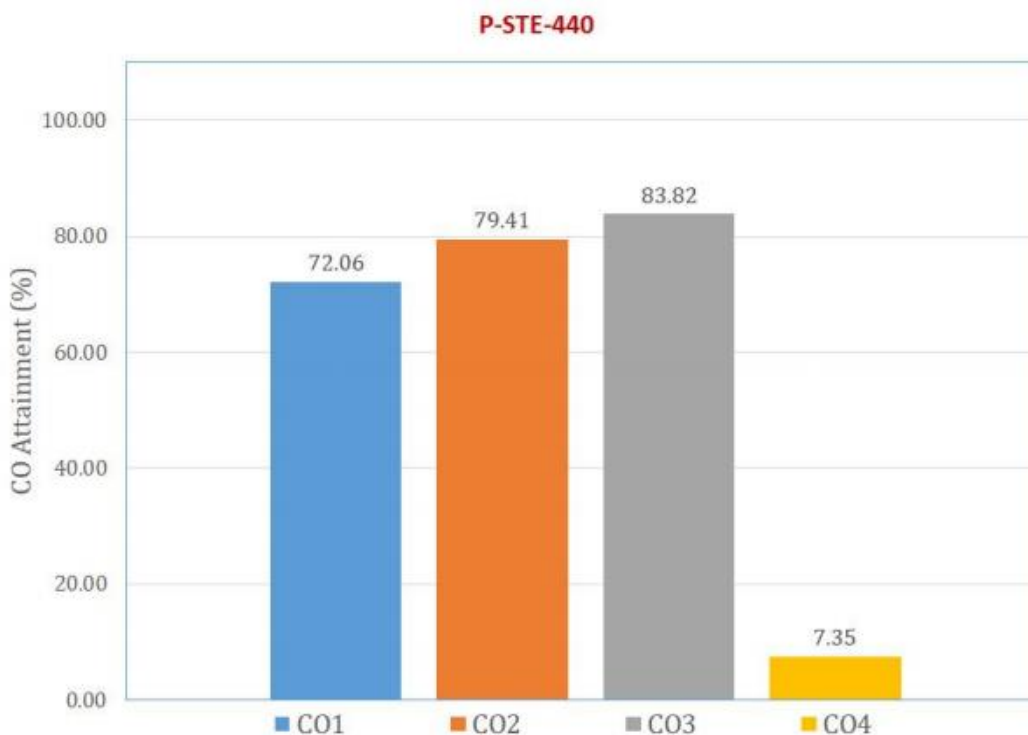
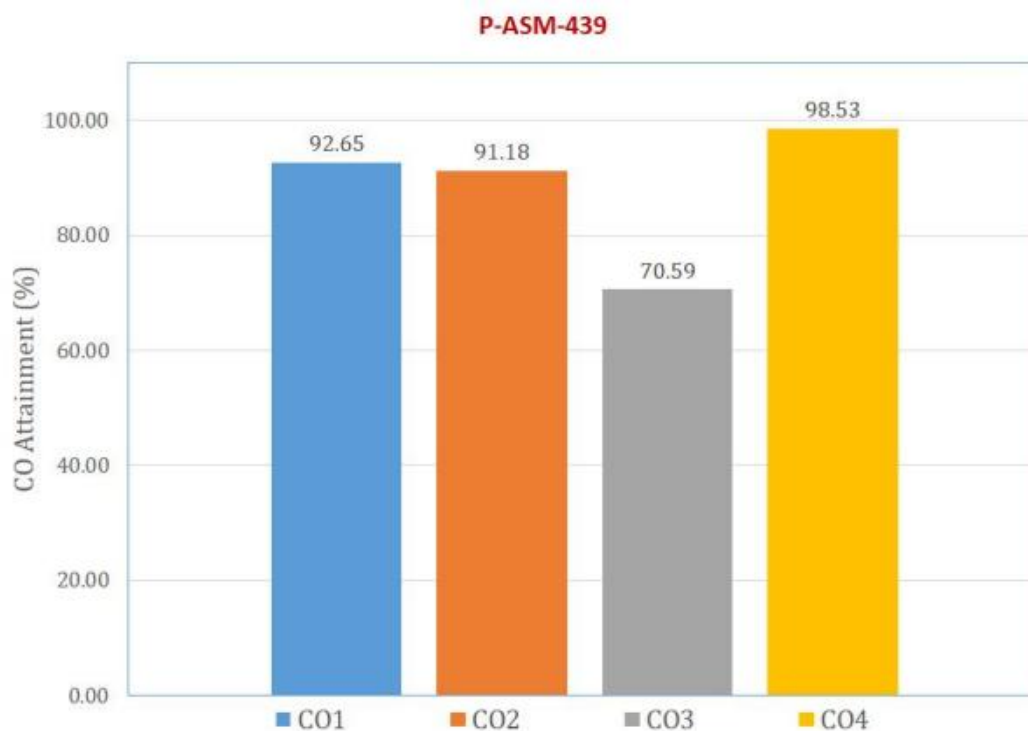


Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015



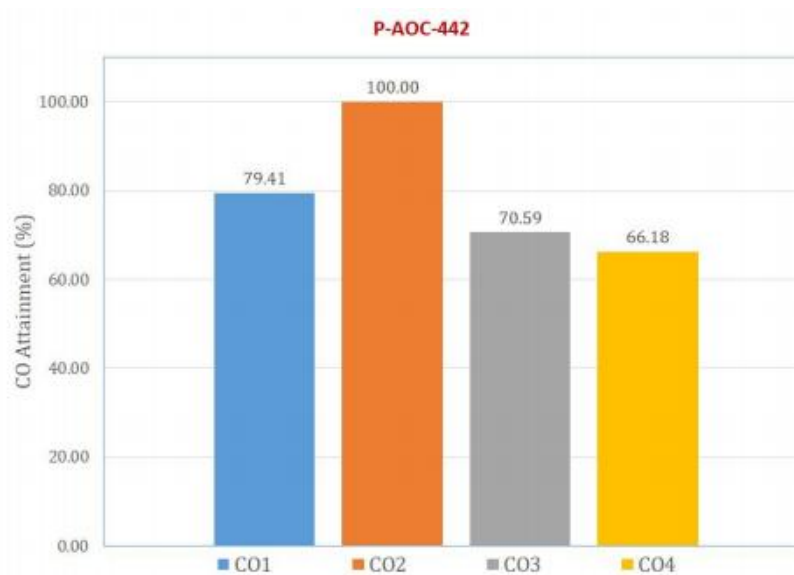
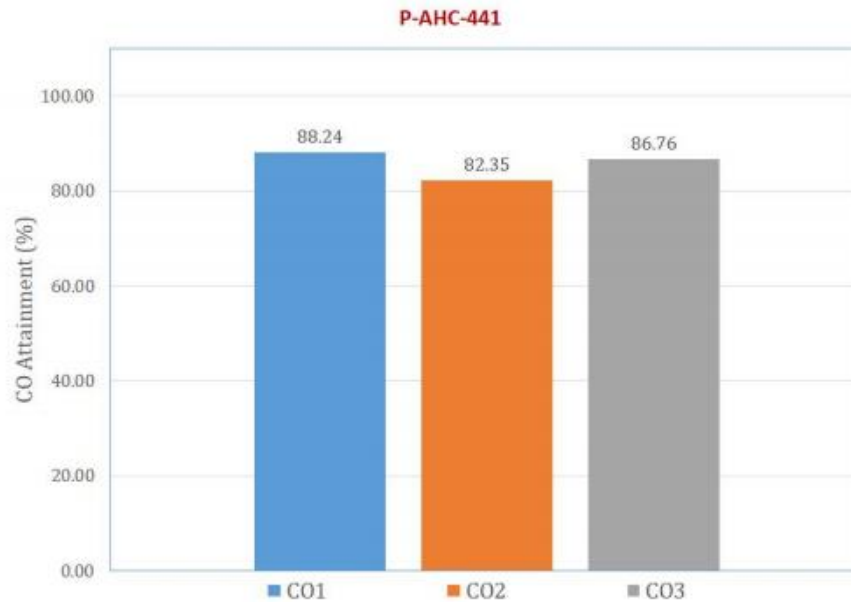


Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Kaku Seth Ukka Marg, Chandra Nagar, Latur – 413512 (Maharashtra)

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited Grade B++ (Cycle 3) with CGPA 2.99, UGC-CPE (Phase-III) ISO: 9001:2015



Date: 19/01/2024

Principal

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Inorganic Chemistry-V

Name of the Teacher: Mr. V.M.Dhumal

Course Code : P-INC-241

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 1 | ROS2325201 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | 1 |
| 2 | ROS2325202 | | 1 | | | 1 | | 1 | | 1 | | 1 | |
| 3 | ROS2325203 | | | | | 1 | 1 | | | | | 1 | 1 |
| 4 | ROS2325204 | | 1 | 1 | | | | 1 | | | | | |
| 5 | ROS2325205 | | | 1 | | 1 | 1 | 1 | | | | 1 | 1 |
| 6 | ROS2325206 | 1 | 1 | | 1 | | | | | | | | 1 |
| 7 | ROS2325207 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | | 1 |
| 8 | ROS2325208 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 |
| 9 | ROS2325209 | 1 | | 1 | 1 | 1 | | 1 | | 1 | | | 1 |
| 10 | ROS2325210 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 |
| 11 | ROS2325211 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 |
| 12 | ROS2325212 | 1 | 1 | | | 1 | 1 | 1 | | | | 1 | 1 |
| 13 | ROS2325213 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | 1 | |
| 14 | ROS2325214 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 |
| 15 | ROS2325215 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | |
| 16 | ROS2325216 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | |
| 17 | ROS2325217 | | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | |
| 18 | ROS2325218 | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | | 1 |
| 19 | ROS2325219 | | 1 | | | 1 | 1 | | | | | | 1 |
| 20 | ROS2325220 | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 |
| 21 | ROS2325221 | 1 | 1 | | 1 | | 1 | | 1 | | | | |
| 22 | ROS2325222 | 1 | 1 | 1 | | | 1 | | | | 1 | | 1 |
| 23 | ROS2325223 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 | 1 |
| 24 | ROS2325224 | 1 | 1 | | | 1 | 1 | 1 | | | | 1 | 1 |
| 25 | ROS2325225 | | 1 | 1 | | 1 | | | | | | | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 0 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Inorganic Chemistry-V

Name of the Teacher: Mr. V.M.Dhumal

Course Code : P-INC-241

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 26 | ROS2325226 | 1 | 1 | | | | 1 | | | | 1 | | 1 |
| 27 | ROS2325227 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 |
| 28 | ROS2325228 | 1 | 1 | 1 | | 1 | | 1 | | | | 1 | 1 |
| 29 | ROS2325229 | | 1 | 1 | | | 1 | | | 1 | | 1 | 1 |
| 30 | ROS2325230 | | 1 | 1 | | | | | | | | 1 | 1 |
| 31 | ROS2325231 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 |
| 32 | ROS2325232 | 1 | 1 | 1 | | 1 | 1 | | | | | 1 | 1 |
| 33 | ROS2325233 | | 1 | | | | | 1 | | | | 1 | 1 |
| 34 | ROS2325234 | 1 | 1 | | 1 | 1 | | 1 | | 1 | | 1 | 1 |
| 35 | ROS2325236 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 |
| 36 | ROS2325237 | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 |
| 37 | ROS2325238 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | |
| 38 | ROS2325239 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| 39 | ROS2325240 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 |
| 40 | ROS2325241 | | 1 | | | | | 1 | | | 1 | 1 | 1 |
| 41 | ROS2325242 | 1 | 1 | | 1 | 1 | 1 | 1 | | | | 1 | 1 |
| 42 | ROS2325243 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 |
| 43 | ROS2325244 | 1 | 1 | | 1 | | 1 | 1 | | | | 1 | 1 |
| 44 | ROS2325245 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | |
| 45 | ROS2325246 | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | |
| 46 | ROS2325247 | 1 | 1 | | | 1 | 1 | | | | | | 1 |
| 47 | ROS2325248 | 1 | 1 | 1 | 1 | 1 | | 1 | | | | 1 | 1 |
| 48 | ROS2325250 | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | | 1 |
| 49 | ROS2325251 | | | | | | | | | | | | |
| 50 | ROS2325252 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Inorganic Chemistry-V

Name of the Teacher: Mr. V.M.Dhumal

Course Code : P-INC-241

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 51 | ROS2325253 | | 1 | 1 | | | 1 | | | | | 1 | |
| 52 | ROS2325254 | 1 | 1 | | 1 | | 1 | 1 | | 1 | 1 | | 1 |
| 53 | ROS2325255 | | 1 | | | | 1 | 1 | | | | | |
| 54 | ROS2325256 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | |
| 55 | ROS2325257 | 1 | 1 | 1 | | | | | | | 1 | | 1 |
| 56 | ROS2325258 | | | | | | | | | | | | |
| 57 | ROS2325259 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | 1 |
| 58 | ROS2325260 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 |
| 59 | ROS2325261 | | 1 | 1 | | | | 1 | | | 1 | 1 | |
| 60 | ROS2325262 | 1 | 1 | | | | | | | | | | |
| 61 | ROS2325263 | | 1 | 1 | | 1 | | 1 | | | | | 1 |
| 62 | ROS2325264 | | 1 | | | | | | | | | | 1 |
| 63 | ROS2325265 | 1 | 1 | 1 | 1 | | | 1 | | | | | 1 |
| 64 | ROS2325266 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 |
| 65 | ROS2325267 | 1 | 1 | | | 1 | 1 | 1 | | | 1 | | 1 |
| 66 | ROS2325268 | 1 | 1 | | 1 | 1 | | 1 | | | | | 1 |
| 67 | ROS2325269 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 |
| 68 | ROS2325270 | | 1 | | | | 1 | | | | | | |
| 69 | ROS2325271 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 |
| 70 | ROS2325272 | | 1 | 1 | | 1 | 1 | | | | 1 | | |
| 71 | ROS2325273 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 72 | ROS2325274 | | 1 | 1 | | | | 1 | | | | | 1 |
| 73 | ROS2325275 | 1 | 1 | | | 1 | 1 | 1 | | | | | 1 |
| 74 | ROS2325276 | 1 | 1 | 1 | 1 | | | 1 | | 1 | | 1 | 1 |
| 75 | ROS2325277 | 1 | 1 | | | | | 1 | | | | 1 | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Inorganic Chemistry-V

Name of the Teacher: Mr. V.M.Dhumal

Course Code : P-INC-241

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 76 | ROS2325278 | | 1 | | | | | 1 | | 1 | | 1 | |
| 77 | ROS2325279 | 1 | 1 | | | | | 1 | | 1 | | 1 | |
| 78 | ROS2325280 | | 1 | | | | 1 | 1 | | | | 1 | |
| 79 | ROS2325281 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | 1 |
| 80 | ROS2325283 | 1 | | 1 | | 1 | 1 | 1 | | 1 | 1 | | 1 |
| 81 | ROS2325284 | 1 | 1 | 1 | | | | 1 | | 1 | 1 | 1 | |
| 82 | ROS2325285 | | | | | | | | | | | | |
| 83 | ROS2325286 | | 1 | 1 | | 1 | | | | | 1 | | |
| 84 | ROS2325287 | | | | | | | | | | | | |
| 85 | ROS2325288 | | 1 | | | | | 1 | | | | 1 | 1 |
| 86 | ROS2325289 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 87 | ROS2325290 | 1 | | | 1 | 1 | 1 | | | 1 | | 1 | 1 |
| 88 | ROS2325291 | 1 | 1 | 1 | | 1 | 1 | | | | | | |
| 89 | ROS2325292 | 1 | 1 | 1 | 1 | | | | | | | 1 | |
| 90 | ROS2325293 | 1 | 1 | | | | 1 | 1 | | 1 | | | |
| 91 | ROS2325294 | 1 | 1 | | 1 | 1 | | 1 | 1 | | | 1 | 1 |
| 92 | ROS2325296 | | 1 | | 1 | | | | | | | | 1 |
| 93 | ROS2325297 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | |
| 94 | ROS2325298 | 1 | 1 | | | 1 | | | | | | | |
| 95 | ROS2325299 | 1 | 1 | | | 1 | 1 | | 1 | | | | 1 |
| 96 | ROS2325300 | 1 | 1 | | | | 1 | 1 | | | | | |
| 97 | ROS2325301 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 98 | ROS2325302 | 1 | 1 | | | 1 | 1 | 1 | | | | | 1 |
| 99 | ROS2325303 | | 1 | | | | | 1 | | | | | 1 |
| 100 | ROS2325304 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Inorganic Chemistry-V

Course Code : P-INC-241

Name of the Teacher: Mr. V.M.Dhumal

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| | | | | | | | | | | | | | |

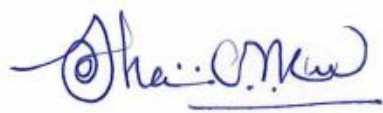
| CO1 | CO2 | CO3 | CO4 |
|--------------|--------------|--------------|--------------|
| | | | |
| 96 | 53 | 78 | 88 |
| 96.00 | 53.00 | 78.00 | 88.00 |
| 78.75 | | | |

No. of Students Attempted

CO Attainment %

Course Attainment %


Course Teacher/HoD


Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)


Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Organic Chemistry-VI

Name of the Teacher: Miss.S.D.Dede

Course Code P-ORC-242

| Sr.No. | Mapping of Questions to Cos | CO4 | CO3 | CO2 | CO2 | CO1 | CO1 | CO2 | CO4 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 1 | ROS2325201 | | | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 |
| 2 | ROS2325202 | | | | | | | 1 | | | | | 1 |
| 3 | ROS2325203 | | 1 | 1 | | | | | | | | | |
| 4 | ROS2325204 | | 1 | 1 | 1 | | | 1 | | 1 | | | 1 |
| 5 | ROS2325205 | | | | | | | | | | | 1 | 1 |
| 6 | ROS2325206 | | | 1 | 1 | | | | | 1 | | | |
| 7 | ROS2325207 | | | 1 | 1 | | 1 | | 1 | 1 | | 1 | 1 |
| 8 | ROS2325208 | | | 1 | | 1 | 1 | 1 | | | 1 | 1 | |
| 9 | ROS2325209 | | | 1 | 1 | | 1 | 1 | | | | 1 | 1 |
| 10 | ROS2325210 | | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 |
| 11 | ROS2325211 | | | 1 | 1 | | | 1 | | 1 | 1 | 1 | |
| 12 | ROS2325212 | | 1 | 1 | | | 1 | 1 | 1 | | | | 1 |
| 13 | ROS2325213 | | 1 | 1 | | 1 | 1 | | | 1 | | 1 | 1 |
| 14 | ROS2325214 | | | | | | 1 | 1 | | | 1 | 1 | 1 |
| 15 | ROS2325215 | | 1 | 1 | 1 | | 1 | | 1 | | | 1 | |
| 16 | ROS2325216 | | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 |
| 17 | ROS2325217 | | | 1 | | | 1 | | | | 1 | | 1 |
| 18 | ROS2325218 | | | 1 | | | 1 | 1 | | | | 1 | 1 |
| 19 | ROS2325219 | | | 1 | 1 | | 1 | | 1 | | | 1 | 1 |
| 20 | ROS2325220 | | 1 | 1 | 1 | | | 1 | 1 | | | | 1 |
| 21 | ROS2325221 | | | 1 | | | | | 1 | 1 | | | 1 |
| 22 | ROS2325222 | | | | | | 1 | | | | | 1 | |
| 23 | ROS2325223 | | | 1 | | | 1 | 1 | | 1 | | 1 | |
| 24 | ROS2325224 | | | 1 | | | 1 | 1 | | 1 | | 1 | |
| 25 | ROS2325225 | | | 1 | | | 1 | | | 1 | | 1 | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 0 |
| 0 | 1 | 1 | 1 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Organic Chemistry-VI

Name of the Teacher: Miss.S.D.Dede

Course Code P-ORC-242

| Sr.No. | Mapping of Questions to Cos | CO4 | CO3 | CO2 | CO2 | CO1 | CO1 | CO2 | CO4 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 26 | ROS2325226 | | | 1 | | | 1 | | 1 | 1 | | | 1 |
| 27 | ROS2325227 | | 1 | | | | 1 | | 1 | | | 1 | 1 |
| 28 | ROS2325228 | | | 1 | | | | 1 | 1 | | 1 | 1 | 1 |
| 29 | ROS2325229 | | | | | | 1 | | 1 | | | | 1 |
| 30 | ROS2325230 | 1 | | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 |
| 31 | ROS2325231 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 |
| 32 | ROS2325232 | 1 | | 1 | | | 1 | 1 | 1 | | | | 1 |
| 33 | ROS2325233 | | | | | | 1 | 1 | | | 1 | 1 | |
| 34 | ROS2325234 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | | | |
| 35 | ROS2325236 | 1 | | 1 | | | 1 | | | 1 | | 1 | 1 |
| 36 | ROS2325237 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 |
| 37 | ROS2325238 | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 38 | ROS2325239 | | | 1 | | 1 | 1 | 1 | 1 | | 1 | | 1 |
| 39 | ROS2325240 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 |
| 40 | ROS2325241 | | | 1 | | 1 | 1 | | | | | 1 | 1 |
| 41 | ROS2325242 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 |
| 42 | ROS2325243 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 |
| 43 | ROS2325244 | | | 1 | | | 1 | | 1 | | | 1 | 1 |
| 44 | ROS2325245 | | | | | 1 | | 1 | | | | 1 | 1 |
| 45 | ROS2325246 | 1 | | | | | | 1 | | | | | 1 |
| 46 | ROS2325247 | 1 | | | | 1 | 1 | | | | | | |
| 47 | ROS2325248 | 1 | 1 | | | 1 | 1 | | 1 | | | 1 | 1 |
| 48 | ROS2325250 | | | 1 | | 1 | 1 | | 1 | | | | 1 |
| 49 | ROS2325251 | | | | | | | | | | | | |
| 50 | ROS2325252 | 1 | 1 | 1 | | 1 | | 1 | | 1 | | 1 | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Organic Chemistry-VI

Name of the Teacher: Miss.S.D.Dede

Course Code P-ORC-242

| Sr.No. | Mapping of Questions to Cos | CO4 | CO3 | CO2 | CO2 | CO1 | CO1 | CO2 | CO4 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 51 | ROS2325253 | 1 | | 1 | | | | 1 | | | | | 1 |
| 52 | ROS2325254 | | | 1 | | | 1 | 1 | 1 | | | 1 | 1 |
| 53 | ROS2325255 | 1 | | 1 | | | 1 | 1 | 1 | | | | 1 |
| 54 | ROS2325256 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 55 | ROS2325257 | | | | | 1 | 1 | | 1 | | | 1 | 1 |
| 56 | ROS2325258 | | | | | | | 1 | | | | | |
| 57 | ROS2325259 | 1 | | 1 | 1 | 1 | | 1 | | 1 | | 1 | 1 |
| 58 | ROS2325260 | 1 | | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 |
| 59 | ROS2325261 | | | 1 | | | 1 | | 1 | | 1 | | |
| 60 | ROS2325262 | | 1 | | | 1 | | | | 1 | | 1 | 1 |
| 61 | ROS2325263 | | | 1 | | 1 | | | | | | | 1 |
| 62 | ROS2325264 | | | | | | | | | | | 1 | 1 |
| 63 | ROS2325265 | 1 | | 1 | | | | 1 | 1 | | | | 1 |
| 64 | ROS2325266 | | 1 | | | 1 | 1 | | 1 | | | 1 | 1 |
| 65 | ROS2325267 | | | 1 | | | 1 | 1 | | | | 1 | |
| 66 | ROS2325268 | | | 1 | | 1 | 1 | 1 | | | | | 1 |
| 67 | ROS2325269 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | 1 | 1 |
| 68 | ROS2325270 | | | | | 1 | | 1 | 1 | 1 | | 1 | 1 |
| 69 | ROS2325271 | 1 | 1 | 1 | | 1 | | | | 1 | | 1 | 1 |
| 70 | ROS2325272 | 1 | | 1 | | | 1 | 1 | | | | 1 | 1 |
| 71 | ROS2325273 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 |
| 72 | ROS2325274 | | | 1 | 1 | | | 1 | | | | | 1 |
| 73 | ROS2325275 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | 1 | 1 |
| 74 | ROS2325276 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| 75 | ROS2325277 | 1 | | | | 1 | 1 | | 1 | | | | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 0 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Organic Chemistry-VI

Name of the Teacher: Miss.S.D.Dede

Course Code P-ORC-242

| Sr.No. | Mapping of Questions to Cos | CO4 | CO3 | CO2 | CO2 | CO1 | CO1 | CO2 | CO4 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 76 | ROS2325278 | | | | | 1 | | | 1 | | | | 1 |
| 77 | ROS2325279 | | | 1 | | | 1 | | | | | 1 | |
| 78 | ROS2325280 | 1 | | 1 | | 1 | | 1 | | 1 | 1 | 1 | |
| 79 | ROS2325281 | | | 1 | | 1 | 1 | | 1 | | | 1 | 1 |
| 80 | ROS2325283 | | 1 | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 |
| 81 | ROS2325284 | 1 | 1 | 1 | 1 | | | 1 | | 1 | | 1 | 1 |
| 82 | ROS2325285 | | | 1 | 1 | 1 | | | 1 | | | | |
| 83 | ROS2325286 | | | 1 | 1 | | 1 | 1 | 1 | | | 1 | |
| 84 | ROS2325287 | | | | | | | | | | | | |
| 85 | ROS2325288 | | | 1 | 1 | | | 1 | | | 1 | 1 | |
| 86 | ROS2325289 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | 1 |
| 87 | ROS2325290 | | | 1 | | | | 1 | | | 1 | 1 | |
| 88 | ROS2325291 | | | 1 | | | 1 | | | | | | |
| 89 | ROS2325292 | | 1 | 1 | | | 1 | 1 | | | | | 1 |
| 90 | ROS2325293 | | | 1 | | | 1 | | | | | | 1 |
| 91 | ROS2325294 | | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 |
| 92 | ROS2325296 | 1 | | | | | | | | | | 1 | |
| 93 | ROS2325297 | 1 | | 1 | 1 | | | 1 | | | | | |
| 94 | ROS2325298 | 1 | | | | 1 | | | | | | | |
| 95 | ROS2325299 | 1 | | 1 | | | 1 | | | 1 | | 1 | |
| 96 | ROS2325300 | 1 | | 1 | | | 1 | | | 1 | | | |
| 97 | ROS2325301 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 |
| 98 | ROS2325302 | | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| 99 | ROS2325303 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 |
| 100 | ROS2325304 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Organic Chemistry-VI

Course Code P-ORC-242

Name of the Teacher: Miss.S.D.Dede

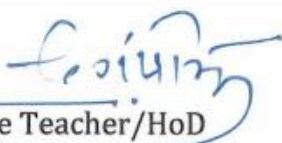
| Sr.No. | Mapping of Questions to Cos | CO4 | CO3 | CO2 | CO2 | CO1 | CO1 | CO2 | CO4 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| | | | | | | | | | | | | | |


No. of Students Attempted

CO Attainment %

Course Attainment %

| CO1 | CO2 | CO3 | CO4 |
|--------------|--------------|--------------|--------------|
| | | | |
| 76 | 85 | 72 | 83 |
| 76.00 | 85.00 | 72.00 | 83.00 |
| 79.00 | | | |


Course Teacher/HoD


Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)


Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment

Name of the Course: Physical Chemistry-VII

Name of the Teacher: Miss. H.K.Sayyed

Course Code: P-PHC-243

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 | |
|--------|-----------------------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | | |
| | | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 1 | ROS2325201 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 | |
| 2 | ROS2325202 | 1 | 1 | | 1 | 1 | 1 | | | | | | | |
| 3 | ROS2325203 | | | | | | | | | | | | | |
| 4 | ROS2325204 | | | 1 | | | | | | | 1 | | 1 | |
| 5 | ROS2325205 | | 1 | 1 | 1 | | 1 | 1 | | | | | 1 | |
| 6 | ROS2325206 | | | | | | | 1 | | 1 | | | | |
| 7 | ROS2325207 | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | |
| 8 | ROS2325208 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 1 | |
| 9 | ROS2325209 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 | |
| 10 | ROS2325210 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | |
| 11 | ROS2325211 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | | 1 | |
| 12 | ROS2325212 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | |
| 13 | ROS2325213 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | |
| 14 | ROS2325214 | | 1 | 1 | 1 | | | 1 | | | | | 1 | |
| 15 | ROS2325215 | 1 | 1 | 1 | 1 | | 1 | | | | | 1 | 1 | |
| 16 | ROS2325216 | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | |
| 17 | ROS2325217 | | | 1 | | 1 | | 1 | | | | 1 | 1 | |
| 18 | ROS2325218 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | |
| 19 | ROS2325219 | | 1 | 1 | | | | | | | | | | |
| 20 | ROS2325220 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | | | |
| 21 | ROS2325221 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | | | |
| 22 | ROS2325222 | 1 | 1 | 1 | 1 | | | | | | | 1 | | |
| 23 | ROS2325223 | 1 | 1 | 1 | | 1 | | 1 | 1 | | | | | |
| 24 | ROS2325224 | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | 1 | |
| 25 | ROS2325225 | 1 | | | 1 | 1 | | | | | | 1 | 1 | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment

Name of the Course: Physical Chemistry-VII

Name of the Teacher: Miss. H.K.Sayyed

Course Code: P-PHC-243

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 26 | ROS2325226 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | | |
| 27 | ROS2325227 | 1 | 1 | | 1 | 1 | | | 1 | | | | |
| 28 | ROS2325228 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 29 | ROS2325229 | 1 | 1 | 1 | | | | | | 1 | | 1 | 1 |
| 30 | ROS2325230 | 1 | 1 | 1 | | | | | | 1 | | | |
| 31 | ROS2325231 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 32 | ROS2325232 | | | 1 | | 1 | | 1 | | | | | |
| 33 | ROS2325233 | 1 | 1 | | | | 1 | 1 | | | | | |
| 34 | ROS2325234 | | 1 | 1 | 1 | | | 1 | | | | 1 | 1 |
| 35 | ROS2325236 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 |
| 36 | ROS2325237 | | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | |
| 37 | ROS2325238 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 |
| 38 | ROS2325239 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 |
| 39 | ROS2325240 | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 | | 1 |
| 40 | ROS2325241 | 1 | | 1 | 1 | 1 | | | | 1 | | | 1 |
| 41 | ROS2325242 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 42 | ROS2325243 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 |
| 43 | ROS2325244 | | 1 | | | | 1 | | | | | 1 | |
| 44 | ROS2325245 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | |
| 45 | ROS2325246 | | 1 | 1 | 1 | | | | | | | 1 | 1 |
| 46 | ROS2325247 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | |
| 47 | ROS2325248 | | 1 | 1 | | | 1 | | 1 | | | 1 | 1 |
| 48 | ROS2325250 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| 49 | ROS2325251 | | | | | | | | | | | | |
| 50 | ROS2325252 | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 | 1 | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment

Name of the Course: Physical Chemistry-VII

Name of the Teacher: Miss. H.K.Sayyed

Course Code: P-PHC-243

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 51 | ROS2325253 | 1 | | 1 | 1 | | | | 1 | 1 | | | |
| 52 | ROS2325254 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | 1 | |
| 53 | ROS2325255 | 1 | | 1 | 1 | 1 | | | | | | 1 | |
| 54 | ROS2325256 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 |
| 55 | ROS2325257 | | | 1 | | 1 | | | | | | 1 | 1 |
| 56 | ROS2325258 | | 1 | | 1 | 1 | | | 1 | | | | 1 |
| 57 | ROS2325259 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 1 |
| 58 | ROS2325260 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 |
| 59 | ROS2325261 | 1 | 1 | | 1 | 1 | 1 | | | | | | 1 |
| 60 | ROS2325262 | | 1 | 1 | 1 | 1 | 1 | | | | 1 | | |
| 61 | ROS2325263 | | 1 | | | 1 | | | | | | | |
| 62 | ROS2325264 | | | | 1 | | 1 | | | 1 | 1 | | 1 |
| 63 | ROS2325265 | | | 1 | 1 | | 1 | | | 1 | | 1 | |
| 64 | ROS2325266 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 1 |
| 65 | ROS2325267 | 1 | 1 | 1 | 1 | | 1 | | | | | 1 | 1 |
| 66 | ROS2325268 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | |
| 67 | ROS2325269 | 1 | 1 | | | | | | | 1 | | 1 | |
| 68 | ROS2325270 | 1 | 1 | | | | 1 | | | 1 | | | |
| 69 | ROS2325271 | | 1 | 1 | 1 | | 1 | 1 | | | | | |
| 70 | ROS2325272 | 1 | | 1 | | | | | | | | 1 | |
| 71 | ROS2325273 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 1 |
| 72 | ROS2325274 | | | 1 | 1 | | | | | | | 1 | |
| 73 | ROS2325275 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 |
| 74 | ROS2325276 | 1 | 1 | | 1 | 1 | 1 | | | 1 | | 1 | 1 |
| 75 | ROS2325277 | | 1 | 1 | 1 | 1 | 1 | | | | | | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 0 |
| 0 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment

Name of the Course: Physical Chemistry-VII

Course Code: P-PHC-243

Name of the Teacher: Miss. H.K.Sayyed

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| | | | | | | | | | | | | | |

| CO1 | CO2 | CO3 | CO4 |
|--------------|--------------|--------------|--------------|
| | | | |
| 86 | 88 | 85 | 88 |
| 86.00 | 88.00 | 85.00 | 88.00 |
| 86.75 | | | |

No. of Students Attempted

CO Attainment %

Course Attainment %



Course Teacher/HoD



Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)



Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Physical Methods in Chemistry-VIII

Name of the Teacher: Dr. Kundan Tayade

Course Code P-PMC-244

| Sr.No. | Mapping of Questions to Cos | CO4 | CO1 | CO3 | CO2 | CO4 | CO1 | CO1 | CO2 | CO2 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 1 | ROS2325201 | 1 | 1 | | 1 | | 1 | | 1 | | | | 1 |
| 2 | ROS2325202 | 1 | | 1 | | | | 1 | 1 | | | 1 | |
| 3 | ROS2325203 | 1 | 1 | 1 | | | | | 1 | | | | |
| 4 | ROS2325204 | 1 | | 1 | | | 1 | | 1 | | | | |
| 5 | ROS2325205 | 1 | 1 | | 1 | | | 1 | | | | | |
| 6 | ROS2325206 | 1 | | | 1 | 1 | 1 | 1 | | | | | |
| 7 | ROS2325207 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 |
| 8 | ROS2325208 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | 1 |
| 9 | ROS2325209 | 1 | 1 | | 1 | 1 | 1 | 1 | | | | | 1 |
| 10 | ROS2325210 | | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 |
| 11 | ROS2325211 | 1 | | | 1 | 1 | 1 | 1 | | | | 1 | |
| 12 | ROS2325212 | 1 | 1 | 1 | | | 1 | 1 | | | | | 1 |
| 13 | ROS2325213 | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 |
| 14 | ROS2325214 | 1 | | | | | 1 | 1 | | | | | 1 |
| 15 | ROS2325215 | 1 | | | 1 | | 1 | 1 | | | | 1 | 1 |
| 16 | ROS2325216 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | |
| 17 | ROS2325217 | 1 | | | 1 | | 1 | 1 | | | | | |
| 18 | ROS2325218 | 1 | | | | | 1 | 1 | | | | | 1 |
| 19 | ROS2325219 | 1 | 1 | 1 | | | 1 | 1 | | | | | 1 |
| 20 | ROS2325220 | 1 | 1 | 1 | 1 | | 1 | | | | | | 1 |
| 21 | ROS2325221 | 1 | 1 | 1 | | | | 1 | | 1 | | | 1 |
| 22 | ROS2325222 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | 1 | 1 |
| 23 | ROS2325223 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | | 1 |
| 24 | ROS2325224 | 1 | 1 | | 1 | | 1 | 1 | | | | | 1 |
| 25 | ROS2325225 | 1 | 1 | 1 | | | 1 | 1 | | | | | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |

| | | | | | | | | | | | | |
|----|------------|---|---|---|---|---|---|---|---|---|---|---|
| 59 | ROS2325261 | | 1 | | 1 | | | | | | | |
| 60 | ROS2325262 | | 1 | | 1 | 1 | 1 | 1 | | | 1 | |
| 61 | ROS2325263 | 1 | | | 1 | 1 | | | 1 | | | |
| 62 | ROS2325264 | | | | | | | | | | | |
| 63 | ROS2325265 | 1 | | | 1 | | | 1 | 1 | | | 1 |
| 64 | ROS2325266 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | 1 |
| 65 | ROS2325267 | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | |
| 66 | ROS2325268 | 1 | 1 | | | | 1 | 1 | | | | 1 |
| 67 | ROS2325269 | 1 | 1 | | 1 | | 1 | 1 | | | 1 | |
| 68 | ROS2325270 | 1 | | | 1 | | | 1 | 1 | | 1 | 1 |
| 69 | ROS2325271 | 1 | | | 1 | 1 | | 1 | 1 | | | 1 |
| 70 | ROS2325272 | 1 | | 1 | | | | | 1 | | | |
| 71 | ROS2325273 | 1 | 1 | | 1 | | 1 | 1 | | | | 1 |
| 72 | ROS2325274 | 1 | 1 | | 1 | | 1 | | 1 | | 1 | |
| 73 | ROS2325275 | 1 | | | 1 | | 1 | | 1 | | | 1 |
| 74 | ROS2325276 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 |
| 75 | ROS2325277 | 1 | 1 | | 1 | | 1 | 1 | | | | 1 |
| 76 | ROS2325278 | 1 | | | 1 | | 1 | | 1 | | 1 | 1 |
| 77 | ROS2325279 | 1 | | | 1 | | 1 | | 1 | | | 1 |
| 78 | ROS2325280 | 1 | 1 | | | | | 1 | 1 | | | 1 |
| 79 | ROS2325281 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | |
| 80 | ROS2325283 | 1 | 1 | 1 | 1 | | 1 | | | | | |
| 81 | ROS2325284 | 1 | 1 | | 1 | | 1 | | 1 | | | |
| 82 | ROS2325285 | 1 | | | 1 | | 1 | 1 | | | | |
| 83 | ROS2325286 | 1 | 1 | | 1 | | 1 | 1 | | | | |
| 84 | ROS2325287 | 1 | | | | | 1 | | 1 | | | |
| 85 | ROS2325288 | 1 | 1 | | 1 | | 1 | | | 1 | 1 | 1 |
| 86 | ROS2325289 | 1 | 1 | | 1 | | | 1 | 1 | | 1 | |
| 87 | ROS2325290 | 1 | 1 | | 1 | | | 1 | 1 | | | 1 |
| 88 | ROS2325291 | 1 | 1 | | 1 | | 1 | 1 | | | | |
| 89 | ROS2325292 | 1 | | | 1 | | 1 | 1 | | | | |
| 90 | ROS2325293 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | |
| 91 | ROS2325294 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 |

| | | | |
|---|---|---|---|
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |

| | | | | | | | | | | | | | |
|-----|------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 92 | ROS2325296 | 1 | | 1 | 1 | | 1 | | 1 | | | | |
| 93 | ROS2325297 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | 1 |
| 94 | ROS2325298 | 1 | | | 1 | | 1 | 1 | | | | | |
| 95 | ROS2325299 | 1 | | | 1 | 1 | 1 | 1 | | | | | |
| 96 | ROS2325300 | | 1 | 1 | | | 1 | 1 | | | | 1 | 1 |
| 97 | ROS2325301 | 1 | 1 | | | | 1 | | 1 | | | | 1 |
| 98 | ROS2325302 | 1 | | | | | 1 | 1 | | | | 1 | |
| 99 | ROS2325303 | 1 | | | | | 1 | | 1 | | | 1 | |
| 100 | ROS2325304 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 |

No. of Students Attempted

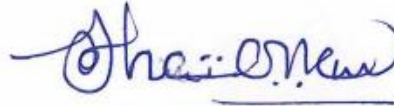
CO Attainment %

Course Attainment %

| | | | |
|--------------|--------------|--------------|--------------|
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 95 | 84 | 61 | 97 |
| 95.00 | 84.00 | 61.00 | 97.00 |
| 84.25 | | | |



Course Teacher/HoD



Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)



Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Advanced Synthetic Methods

Name of the Teacher: Miss.H.k.Sayyed

Course Code P-ASM-439

| Sr.No. | Mapping of Questions to Course | CO 3 | CO 1 | CO 1 | CO2 | CO4 | CO3 | CO1 | CO2 | CO1 | CO4 | CO4 | CO4 |
|--------|--------------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q. 1 | | | | | Q.2 | | | | Q.3 | | |
| | | a | b | c | d | e | a | b | c | d | a | b | c |
| 1 | ROS2345201 | | | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | |
| 2 | ROS2345202 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 |
| 3 | ROS2345203 | | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | | 1 |
| 4 | ROS2345204 | | | | 1 | | | 1 | | | 1 | 1 | |
| 5 | ROS2345205 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 |
| 6 | ROS2345206 | 1 | | | 1 | | 1 | 1 | 1 | | 1 | 1 | |
| 7 | ROS2345207 | 1 | | 1 | 1 | | | 1 | | | 1 | 1 | 1 |
| 8 | ROS2345208 | 1 | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 9 | ROS2345209 | | | 1 | | | | | | | | 1 | 1 |
| 10 | ROS2345210 | 1 | | | 1 | | | 1 | 1 | | 1 | 1 | 1 |
| 11 | ROS2345211 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 |
| 12 | ROS2345212 | | | | 1 | | | 1 | 1 | | 1 | 1 | 1 |
| 13 | ROS2345213 | | | 1 | 1 | | 1 | 1 | | | | 1 | |
| 14 | ROS2345214 | | 1 | | | | | 1 | | | | 1 | |
| 15 | ROS2345215 | | | | 1 | | | 1 | 1 | | | 1 | |
| 16 | ROS2345216 | | | | | | | | | | | | |
| 17 | ROS2345217 | 1 | | | 1 | | | 1 | | | | 1 | |
| 18 | ROS2345218 | 1 | | | 1 | | | | 1 | | 1 | 1 | |
| 19 | ROS2345219 | 1 | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 20 | ROS2345220 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 |
| 21 | ROS2345221 | | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 |
| 22 | ROS2345222 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 |
| 23 | ROS2345223 | | | | 1 | | | 1 | 1 | | 1 | 1 | |
| 24 | ROS2345224 | | | | | | | 1 | | | | 1 | |
| 25 | ROS2345225 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |

| CO 1 | CO2 | CO3 | CO4 |
|------|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Advanced Synthetic Methods

Course Code P-ASM-439

Name of the Teacher: Miss.H.k.Sayyed

| Sr.No. | Wrapping or Questions to Exam Seat No | CO 3 | CO 1 | CO 1 | CO 2 | CO 4 | CO 3 | CO 1 | CO 2 | CO 1 | CO 4 | CO 4 | CO 4 |
|--------|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | Q. 1 | | | | | Q.2 | | | | Q.3 | | |
| | | a | b | c | d | e | a | b | c | d | a | b | c |
| 51 | ROS2345251 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | |
| 52 | ROS2345252 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 |
| 53 | ROS2345253 | 1 | | 1 | 1 | 1 | | | 1 | | | 1 | 1 |
| 54 | ROS2345254 | 1 | | | 1 | | | | | | | 1 | |
| 55 | ROS2345255 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 56 | ROS2345256 | 1 | | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 |
| 57 | ROS2345257 | 1 | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | |
| 58 | ROS2345258 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 |
| 59 | ROS2345259 | 1 | | | 1 | | 1 | 1 | 1 | | 1 | 1 | |
| 60 | ROS2345260 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 |
| 61 | ROS2345261 | | | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 |
| 62 | ROS2345262 | | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 |
| 63 | ROS2345263 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 |
| 64 | ROS2345264 | | | 1 | | | 1 | 1 | 1 | | | 1 | |
| 65 | ROS2345265 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | |
| 66 | ROS2345266 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 67 | ROS2345267 | 1 | | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 |
| 68 | ROS2345268 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |

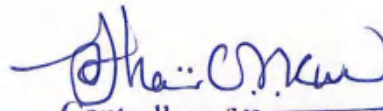
| CO 1 | CO 2 | CO 3 | CO 4 |
|--------------|--------------|--------------|--------------|
| | | | |
| | | | |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 63 | 62 | 48 | 67 |
| 92.65 | 91.18 | 70.59 | 98.53 |
| 88.24 | | | |

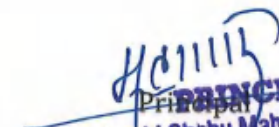
No. of Students Attempted

CO Attainment %

Course Attainment %


Course Teacher/HoD


Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)


PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Stereochemistry

Name of the Teacher: Mr.M.S.Sudewad

Course Code P-STE-440

| Sr.No. | Mapping of Questions to Cos | CO1 | CO2 | CO3 | CO3 | CO3 | CO1 | CO2 | CO2 | CO1 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | C | d | e | a | b | C | d | a | b | c |
| 1 | ROS2345201 | | 1 | | 1 | 1 | 1 | | 1 | | 1 | | |
| 2 | ROS2345202 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 3 | ROS2345203 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | 1 |
| 4 | ROS2345204 | 1 | 1 | | | | 1 | 1 | | | | | 1 |
| 5 | ROS2345205 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 6 | ROS2345206 | | 1 | 1 | | | 1 | 1 | | | 1 | | |
| 7 | ROS2345207 | 1 | | | | 1 | 1 | 1 | | | 1 | 1 | |
| 8 | ROS2345208 | | | | | | 1 | 1 | | | 1 | | |
| 9 | ROS2345209 | | 1 | | | | | 1 | | | 1 | | |
| 10 | ROS2345210 | | 1 | | | | | 1 | | | | 1 | |
| 11 | ROS2345211 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | |
| 12 | ROS2345212 | | 1 | | | 1 | 1 | | | | 1 | | |
| 13 | ROS2345213 | 1 | | | | 1 | | 1 | | | 1 | | |
| 14 | ROS2345214 | | | | | | | | | | 1 | | |
| 15 | ROS2345215 | | 1 | | 1 | | 1 | 1 | | | | | 1 |
| 16 | ROS2345216 | | | | | | | | | | | | |
| 17 | ROS2345217 | | 1 | | | 1 | 1 | | | | 1 | | |
| 18 | ROS2345218 | | | | 1 | 1 | 1 | | 1 | 1 | 1 | | |
| 19 | ROS2345219 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | 1 | |
| 20 | ROS2345220 | | 1 | | 1 | 1 | 1 | 1 | | | 1 | | |
| 21 | ROS2345221 | 1 | 1 | | | | | 1 | | 1 | 1 | | |
| 22 | ROS2345222 | | 1 | 1 | 1 | | 1 | 1 | | | 1 | | |
| 23 | ROS2345223 | | | | | | 1 | 1 | | | | 1 | |
| 24 | ROS2345224 | | 1 | | | 1 | | | | | 1 | | |
| 25 | ROS2345225 | | | | | | 1 | | | | 1 | | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 0 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Stereochemistry

Name of the Teacher: Mr.M.S.Sudewad

Course Code P-STE-440

| Sr.No. | Mapping of Questions to Cos | CO1 | CO2 | CO3 | CO3 | CO3 | CO1 | CO2 | CO2 | CO1 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | C | d | e | a | b | C | d | a | b | c |
| 26 | ROS2345226 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | 1 | |
| 27 | ROS2345227 | | 1 | | | | 1 | | | 1 | 1 | | 1 |
| 28 | ROS2345228 | 1 | | 1 | 1 | | 1 | 1 | | | 1 | 1 | |
| 29 | ROS2345229 | 1 | 1 | | | 1 | 1 | 1 | | | 1 | | |
| 30 | ROS2345230 | 1 | 1 | | | 1 | 1 | 1 | | | 1 | 1 | |
| 31 | ROS2345231 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | | |
| 32 | ROS2345232 | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 33 | ROS2345233 | 1 | | | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 34 | ROS2345234 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | |
| 35 | ROS2345235 | 1 | | | 1 | | | 1 | | | 1 | 1 | |
| 36 | ROS2345236 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 37 | ROS2345237 | | | | 1 | | | | | | 1 | | |
| 38 | ROS2345238 | | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 39 | ROS2345239 | | | | | | | | | | | | |
| 40 | ROS2345240 | | | | | | | | | | | | |
| 41 | ROS2345241 | | | | | | | | 1 | | | 1 | |
| 42 | ROS2345242 | | | | | | | | | | | | |
| 43 | ROS2345243 | | | | 1 | | | | | | 1 | | |
| 44 | ROS2345244 | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 45 | ROS2345245 | 1 | | | 1 | 1 | | | 1 | | 1 | 1 | |
| 46 | ROS2345246 | 1 | | | 1 | | | | | 1 | 1 | | |
| 47 | ROS2345247 | | | | | | | | | | | | |
| 48 | ROS2345248 | | | | | | | | | | | | |
| 49 | ROS2345249 | 1 | | | 1 | | 1 | 1 | | | 1 | 1 | |
| 50 | ROS2345250 | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| | | | |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 0 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Stereochemistry

Course Code P-STE-440

Name of the Teacher: Mr.M.S.Sudewad

| Sr.No. | Mapping of Questions to Cos | CO1 | CO2 | CO3 | CO3 | CO3 | CO1 | CO2 | CO2 | CO1 | CO3 | CO3 | CO4 |
|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 51 | ROS2345251 | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | | |
| 52 | ROS2345252 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | |
| 53 | ROS2345253 | | | | | | | | | | | | |
| 54 | ROS2345254 | | 1 | | | | | 1 | | | 1 | | |
| 55 | ROS2345255 | | 1 | | | | | | | | | | |
| 56 | ROS2345256 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | | |
| 57 | ROS2345257 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 58 | ROS2345258 | | 1 | | | | | 1 | | | 1 | | |
| 59 | ROS2345259 | | 1 | | 1 | 1 | 1 | 1 | | | 1 | | |
| 60 | ROS2345260 | 1 | 1 | | 1 | | 1 | | 1 | | 1 | | |
| 61 | ROS2345261 | 1 | | | | 1 | | | | | | | |
| 62 | ROS2345262 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | | |
| 63 | ROS2345263 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | |
| 64 | ROS2345264 | | 1 | | | | | | 1 | | | | |
| 65 | ROS2345265 | | 1 | 1 | | 1 | 1 | 1 | | | 1 | | |
| 66 | ROS2345266 | | 1 | | 1 | | | 1 | 1 | | 1 | 1 | |
| 67 | ROS2345267 | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 68 | ROS2345268 | | | | | | 1 | | | 1 | | | |

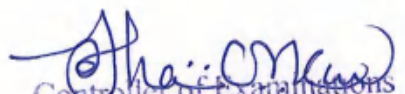
| CO1 | CO2 | CO3 | CO4 |
|--------------|--------------|--------------|-------------|
| | | | |
| | | | |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 |
| 49 | 54 | 57 | 5 |
| 72.06 | 79.41 | 83.82 | 7.35 |
| 60.66 | | | |

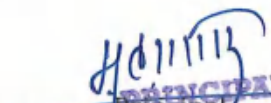
No. of Students Attempted

CO Attainment(%):

Course Attainment(%):


Course Teacher/HoD


Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)


Principal
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Advanced Heterocyclic Chemistry

Name of the Teacher: Dr.K.I.Momin

Course Code P-AHC-441

| Sr.No. | Mapping of Questions to Cos | CO2 | CO 1 | CO 1 | CO2 | CO3 | CO1 | CO2 | CO3 | CO1 | CO3 | CO3 | CO3 |
|--------|--------------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q. 1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 26 | ROS2345226 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | |
| 27 | ROS2345227 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| 28 | ROS2345228 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | |
| 29 | ROS2345229 | 1 | 1 | | 1 | | 1 | | 1 | 1 | 1 | | |
| 30 | ROS2345230 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 31 | ROS2345231 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 |
| 32 | ROS2345232 | | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | |
| 33 | ROS2345233 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | |
| 34 | ROS2345234 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |
| 35 | ROS2345235 | | 1 | 1 | 1 | | | 1 | 1 | | 1 | | |
| 36 | ROS2345236 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| 37 | ROS2345237 | 1 | 1 | | | | 1 | | | | | 1 | |
| 38 | ROS2345238 | 1 | 1 | 1 | 1 | 1 | | 1 | | | | 1 | |
| 39 | ROS2345239 | | | | | | | 1 | | | | | |
| 40 | ROS2345240 | | | | | | | | | | | | |
| 41 | ROS2345241 | 1 | | | 1 | | 1 | | | | | 1 | |
| 42 | ROS2345242 | | | | | | | | | | | | |
| 43 | ROS2345243 | | | | 1 | | | | 1 | | 1 | | |
| 44 | ROS2345244 | | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | |
| 45 | ROS2345245 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 | |
| 46 | ROS2345246 | 1 | 1 | 1 | | 1 | | | | 1 | | | |
| 47 | ROS2345247 | | | | | | | | | | | | |
| 48 | ROS2345248 | | | | | | | | | | | | |
| 49 | ROS2345249 | 1 | 1 | 1 | 1 | | 1 | | | | 1 | 1 | |
| 50 | ROS2345250 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| CO1 | CO2 | CO3 |
|-----|-----|-----|
| | | |
| | | |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |
| 0 | 1 | 0 |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 0 | 1 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Advanced Heterocyclic Chemistry

Course Code P-AHC-441

Name of the Teacher: Dr.K.I.Momin


| Sr.No. | Mapping of Questions to Cos | CO2 | CO 1 | CO 1 | CO2 | CO3 | CO1 | CO2 | CO3 | CO1 | CO3 | CO3 | CO3 |
|--------|--------------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q. 1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | c | d | e | a | b | c | d | a | b | c |
| 51 | ROS2345251 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 |
| 52 | ROS2345252 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | |
| 53 | ROS2345253 | 1 | | 1 | 1 | | 1 | 1 | | | | | |
| 54 | ROS2345254 | | | | 1 | | | | | | | 1 | |
| 55 | ROS2345255 | | 1 | | 1 | | 1 | | | | | 1 | |
| 56 | ROS2345256 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 57 | ROS2345257 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 58 | ROS2345258 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | 1 |
| 59 | ROS2345259 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| 60 | ROS2345260 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | |
| 61 | ROS2345261 | | 1 | | | 1 | | | | | 1 | | |
| 62 | ROS2345262 | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 | |
| 63 | ROS2345263 | 1 | 1 | 1 | | 1 | | 1 | | | 1 | | 1 |
| 64 | ROS2345264 | | 1 | | | | | 1 | | 1 | | | |
| 65 | ROS2345265 | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 | |
| 66 | ROS2345266 | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | | |
| 67 | ROS2345267 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 |
| 68 | ROS2345268 | 1 | 1 | 1 | | 1 | | 1 | 1 | | 1 | | 1 |

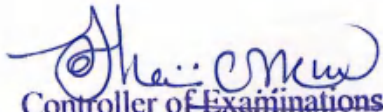
| CO1 | CO2 | CO3 |
|--------------|--------------|--------------|
| | | |
| | | |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 0 |
| 0 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 0 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 1 | 1 | 1 |
| 60 | 56 | 59 |
| 88.24 | 82.35 | 86.76 |
| 85.78 | | |

No. of Students Attempted

CO Attainment %

Course Attainment %


Course Teacher/HoD


Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)


Principal
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Applied Organic Chemistry

Name of the Teacher: Miss.P.N.Jagtap

Course Code P-AOC-442

| Sr. No. | Mapping of Questions to Cos | CO2 | CO2 | CO2 | CO1 | CO4 | CO2 | CO2 | CO1 | CO1 | CO4 | CO4 | CO3 |
|---------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | C | d | e | a | b | C | d | a | b | c |
| 1 | ROS2345201 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | | 1 |
| 2 | ROS2345202 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | 1 |
| 3 | ROS2345203 | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 | | 1 |
| 4 | ROS2345204 | 1 | | | 1 | | | | 1 | | 1 | | 1 |
| 5 | ROS2345205 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | 1 |
| 6 | ROS2345206 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | |
| 7 | ROS2345207 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | 1 |
| 8 | ROS2345208 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | | 1 |
| 9 | ROS2345209 | 1 | | 1 | | | 1 | 1 | | | 1 | | 1 |
| 10 | ROS2345210 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | |
| 11 | ROS2345211 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | | 1 |
| 12 | ROS2345212 | 1 | | 1 | | | 1 | 1 | | | 1 | | 1 |
| 13 | ROS2345213 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | 1 |
| 14 | ROS2345214 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | | |
| 15 | ROS2345215 | 1 | 1 | 1 | 1 | | | 1 | | | 1 | | 1 |
| 16 | ROS2345216 | 1 | | 1 | | | | 1 | | | | | |
| 17 | ROS2345217 | 1 | 1 | | 1 | | | | 1 | | | | |
| 18 | ROS2345218 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | 1 |
| 19 | ROS2345219 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 |
| 20 | ROS2345220 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | 1 |
| 21 | ROS2345221 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | 1 |
| 22 | ROS2345222 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | | | 1 |
| 23 | ROS2345223 | | 1 | 1 | | | | 1 | | | | | 1 |
| 24 | ROS2345224 | 1 | 1 | 1 | | 1 | | 1 | | | | | 1 |
| 25 | ROS2345225 | 1 | | 1 | | 1 | | 1 | 1 | 1 | | | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Applied Organic Chemistry

Name of the Teacher: Miss.P.N.Jagtap

Course Code P-AOC-442

| Sr. No. | Mapping of Questions to Cos | CO2 | CO2 | CO2 | CO1 | CO4 | CO2 | CO2 | CO1 | CO1 | CO4 | CO4 | CO3 |
|---------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | C | d | e | a | b | C | d | a | b | c |
| 26 | ROS2345226 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | 1 |
| 27 | ROS2345227 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 |
| 28 | ROS2345228 | 1 | 1 | 1 | | | | 1 | 1 | | 1 | | 1 |
| 29 | ROS2345229 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 |
| 30 | ROS2345230 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | | 1 |
| 31 | ROS2345231 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 |
| 32 | ROS2345232 | 1 | 1 | | 1 | | 1 | 1 | 1 | | | | 1 |
| 33 | ROS2345233 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | 1 |
| 34 | ROS2345234 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 |
| 35 | ROS2345235 | | 1 | 1 | | | 1 | | | | | | 1 |
| 36 | ROS2345236 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | 1 |
| 37 | ROS2345237 | | 1 | | 1 | | 1 | 1 | | | 1 | | 1 |
| 38 | ROS2345238 | 1 | 1 | | 1 | | 1 | 1 | 1 | | 1 | | |
| 39 | ROS2345239 | 1 | | | 1 | | | | | | 1 | | |
| 40 | ROS2345240 | | 1 | | 1 | | | 1 | 1 | | 1 | | |
| 41 | ROS2345241 | | 1 | | | | | 1 | | | 1 | | 1 |
| 42 | ROS2345242 | | 1 | | | | | 1 | | | | | |
| 43 | ROS2345243 | | | | 1 | 1 | | 1 | 1 | | | | 1 |
| 44 | ROS2345244 | 1 | | 1 | 1 | | | | 1 | 1 | 1 | | 1 |
| 45 | ROS2345245 | 1 | 1 | | 1 | | 1 | 1 | | | 1 | | |
| 46 | ROS2345246 | 1 | 1 | | 1 | | 1 | 1 | | | 1 | | |
| 47 | ROS2345247 | | 1 | | 1 | | | 1 | 1 | | | | |
| 48 | ROS2345248 | | | | | | 1 | | 1 | | | | |
| 49 | ROS2345249 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | 1 |
| 50 | ROS2345250 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 |

| CO1 | CO2 | CO3 | CO4 |
|-----|-----|-----|-----|
| | | | |
| 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 1 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |

Shiv Chhatrapati Shikshan Sanstha's
Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Course Attainment Sheet

Title of the Course : Applied Organic Chemistry

Name of the Teacher: Miss.P.N.Jagtap

Course Code P-AOC-442


| Sr. No. | Mapping of Questions to Cos | CO2 | CO2 | CO2 | CO1 | CO4 | CO2 | CO2 | CO1 | CO1 | CO4 | CO4 | CO3 |
|---------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Q.1 | | | | | Q.2 | | | | Q.3 | | |
| | Exam Seat No | a | b | C | d | e | a | b | C | d | a | b | c |
| 55 | ROS2345255 | 1 | | | | | | 1 | 1 | | | | |
| 56 | ROS2345256 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | 1 |
| 57 | ROS2345257 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | | 1 |
| 58 | ROS2345258 | | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 |
| 59 | ROS2345259 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | | |
| 60 | ROS2345260 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | | 1 |
| 61 | ROS2345261 | | 1 | | | | | | | | | | 1 |
| 62 | ROS2345262 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| 63 | ROS2345263 | 1 | 1 | | 1 | | 1 | | | 1 | 1 | | 1 |
| 64 | ROS2345264 | 1 | | 1 | 1 | | | | | | | | |
| 65 | ROS2345265 | 1 | 1 | | 1 | | 1 | 1 | | | | | 1 |
| 66 | ROS2345266 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | | |
| 67 | ROS2345267 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | 1 |
| 68 | ROS2345268 | 1 | 1 | | | | | 1 | | | | | 1 |

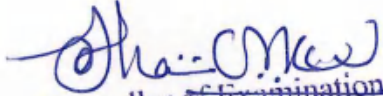
| CO1 | CO2 | CO3 | CO4 |
|--------------|---------------|--------------|--------------|
| | | | |
| | | | |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 |
| 54 | 68 | 48 | 45 |
| 79.41 | 100.00 | 70.59 | 66.18 |
| 79.04 | | | |


No. of Students Attempted

CO Attainment %

Course Attainment %


Course Teacher/HoD


Controller of Examinations
Rajarshi Shahu Mahavidyalaya
(Autonomous)
LATUR-413 512(M.S.)


Principal
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)